



**ECODESIGN REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS  
ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 IMPLEMENTING DIRECTIVE  
2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

<b>Model Identifier(s):</b>	<b>LIONE</b>
<b>Indirect heating functionality:</b>	<b>yes</b>
<b>Direct heat output:</b>	<b>18,8</b>
<b>Indirect heat output:</b>	<b>16,5</b>

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	$\eta_s$ [%]:	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*) (**)				
				PM	OGC	CO	NO <sub>x</sub>	PM	OGC	CO	NO <sub>x</sub>	
				mg/Nm <sup>3</sup> (13%O <sub>2</sub> )				mg/Nm <sup>3</sup> (13%O <sub>2</sub> )				
Wood logs with moisture content ≤ 25 %	no	no										
Compressed wood with moisture content < 12 %	yes	no	82	11	1	98	145	11	6	307	124	
Other woody biomass	no	no										
Non-woody biomass	no	no										
Anthracite and dry steam coal	no	no										
Hard coke	no	no										
Low temperature coke	no	no										
Bituminous coal	no	no										
Lignite briquettes	no	no										
Peat briquettes	no	no										
Blended fossil fuel briquettes	no	no										
Other fossil fuel	no	no										
Blended biomass and fossil fuel briquettes	no	no										
Other blend of biomass and solid fuel	no	no										





**Characteristics when operating with the preferred fuel only:**

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Heat output</b>				<b>Useful efficiency (NCV as received)</b>			
Nominal heat output	$P_{nom}$	18,8	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	92,7	%
Minimum heat output (indicative)	$P_{min}$	5,6	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	95,7	%
<b>Auxiliary electricity consumption</b>				<b>Type of heat output/room temperature control (select one)</b>			
At nominal heat output	$el_{max}$	0,049	kW	single stage heat output, no room temperature control		no	
At minimum heat output	$el_{min}$	0,020	kW	two or more manual stages, no room temperature control		no	
In standby mode	$el_{SB}$	0,002	kW	with mechanic thermostat room temperature control		no	
<b>Permanent pilot flame power requirement</b>				with electronic room temperature control		no	
Pilot flame power requirement (if applicable)	$P_{pilot}$	n.p.	kW	with electronic room temperature control plus day timer		no	
				with electronic room temperature control plus week timer		yes	
				<b>Other control options (multiple selections possible)</b>			
				room temperature control, with presence detector		no	
				room temperature control, with open window detection		no	
				with distance control option		no	

Contact details	Name and address of the manufacturer or its authorised representative
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(\*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO<sub>x</sub> = nitrogen oxides

(\*\*) Only required if correction factors F(2) or F(3) are applied

**Note:**

F(2)	0
F(3)	0
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Approved by  
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